

# Bilal Ahmad Malik

MSc Computer Science

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[Linkedin](#)

[Github](#)

[Web Portfolio](#)

London, United Kingdom

## EDUCATION

### MSc Computer Science

Queen Mary, University of London | Result: Merit | 2021 - 2022

### BSc Computer Science

Queen Mary, University of London | Result: First Class Honours | 2018 - 2021

## CERTIFICATION

Learn SQL - Codecademy | Python OOP - LinkedIn

## INTERESTS

Software Engineering | Full Stack Development | Backend Developer  
Machine Learning | Data Analysis

## EXPERIENCE

### Tutoring (self-employed) - GCSE Computer Science Exam

2023

- Identified individual strengths and weaknesses to create targeted study materials and exercises
- Guided students on exam techniques, practice questions, and sample papers
- Maintained regular communication with students and parents, providing progress and concerns

### Online Data Analyst - TELUS International

2021

- Conducted web-based evaluation tasks using an evaluation tool, ensuring the relevance and accuracy of information. Assessed and rated tasks to authenticate and verify data for utilisation in live online search tools
- Demonstrated attention to detail in evaluating information quality and adherence to established standards

### IT Engineer - iTech Services (Premier Systems IT)

2019

- Conducted accurate logging and inventory management of diverse IT assets
- Decommissioned and Recommissioned IT equipment, adhering to established protocols
- Collaborated seamlessly with team members to efficiently complete assigned tasks within given timelines
- Utilised technical expertise to troubleshoot and resolve issues encountered in IT equipments

### Local Youth Coordinator (volunteer) - AMYA

2018

- Organised and facilitated engaging community events, fostering connections among community members
- Acted as a liaison between AMYA and various charitable organisations, including Cancer Research UK, Marie Curie, NSPCC, and The Royal British Legion.

## PRACTICAL PROJECTS EXPERIENCE

### Web Forum with Automated Post Categorisation

- Collected sports-related tweets using the Twitter API to build a dataset for training a ML model in Python
- Designed and developed a web forum using Django, incorporating essential features such as user sign-up, user authentication, and post submission that uses the ML model to categorise the posts.

### Django Group Chats Web-Application with Toxicity Detection using ML

- Carried out data manipulation, feature selection, and data analysis using Python libraries such as Pandas, Matplotlib, Seaborn, and WordCloud.
- Utilised Django's Channels to handle WebSockets, enabling asynchronous group chat implementation within the web application.
- Integrated a machine learning model within the group chats to detect toxicity in chat messages, promoting a safe and respectful communication environment.

### Count My Weeks Calendar - Available Here: [Link](#)

- Used HTML, CSS and JavaScript for designing, getting user input and building the calendar
- Hosted the website by making a repository on GitHub and linking it with CloudFlare

### Python Mini Projects

- Guess the Code Game: 10 tries to guess the random 4 letters code. User gets prompt of correct guesses
- Currency Converter: Used an API to get currencies and their exchange rate for Users to convert currency
- Slot Machine Game: Users can deposit an amount and play the slot machine. User can win or lose money

## SKILLS

### Tech Stack

Python Java Django GitHub

SQL Spring Boot REST API

HTML DBMS Data Analysis

JavaScript Machine Learning

### Soft Skills

Problem Solving Time Management

Teamwork Self-Learning

Customer Service Communication